



Missouri Department of Health and Senior Services

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TO: Missouri Local Public Health Agencies, Missouri U.S. Influenza Sentinel Surveillance Physicians, and Stakeholders

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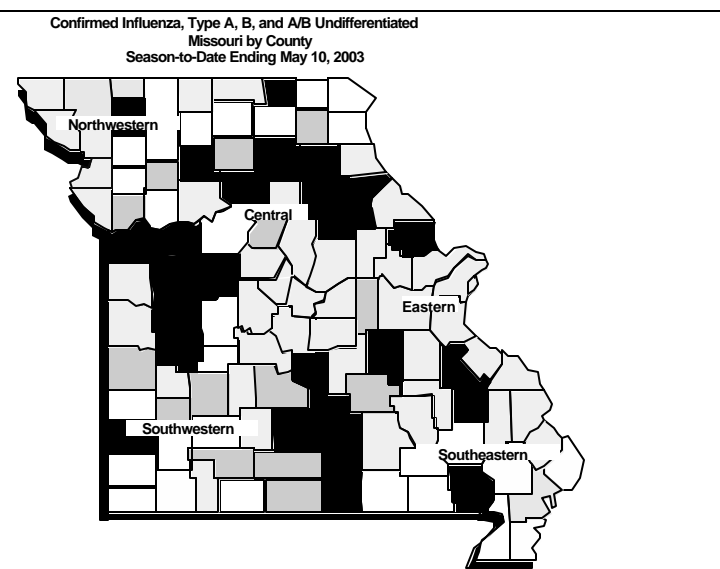
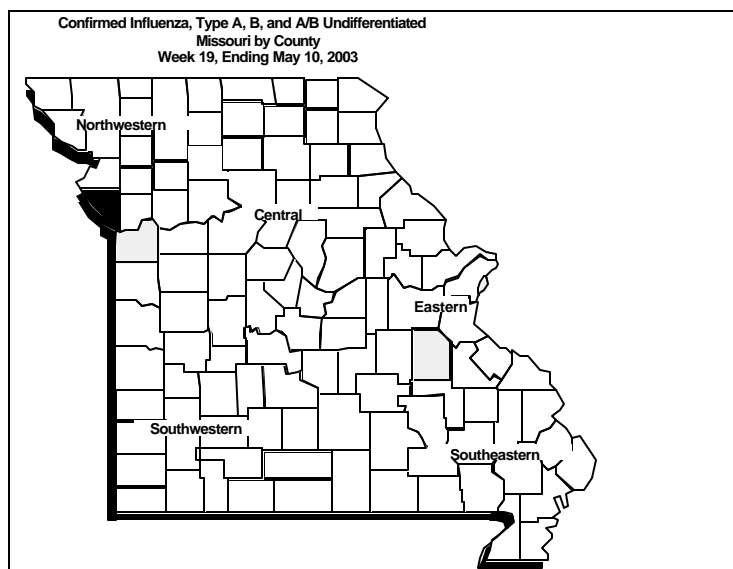
SUBJECT: Weekly Missouri Influenza Report, 2002-2003 Season
(All data in this report are provisional and may change as reports are updated.)

DATE: May 20, 2003

Missouri is reporting “sporadic influenza activity” to the CDC for Week 19.

Reported Laboratory Confirmed Cases by Sub-type						
For the Week Ending May 10, 2003 (Week 19)						
Serogroups	A (non-typed)	A (H3N2)	A (H1N1)	B	A or B Untyped (rapid test)	Total
Week 19	0	0	0	1	22	23
Season-to-Date*	490	4	20	1,054	2,535	4,103

*The influenza season begins with week 40 (week ending October 5, 2002) and ends with week 20 (week ending May 17, 2003).



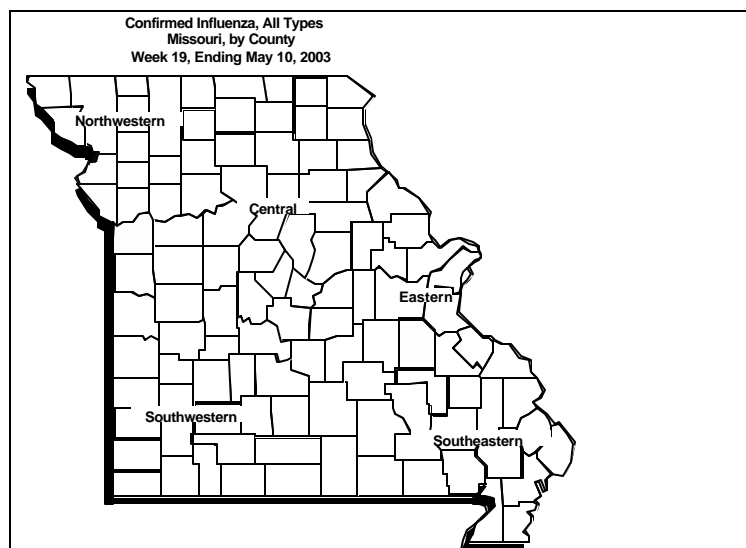
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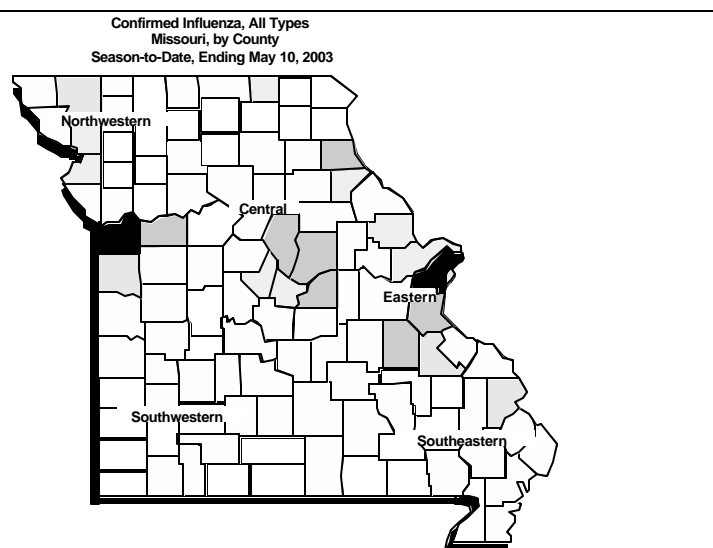
www.dhss.state.mo.us

The Missouri Department of Health and Senior Services protects and promotes quality of life and health for all Missourians by developing and implementing programs and systems that provide: information and education, effective regulation and oversight, quality services, and surveillance of diseases and conditions.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.



	1 - 25		101 - 200
	26 - 50		201 - 300
	51 - 100		300 +



	1 - 25		101 - 200
	26 - 50		201 - 300
	51 - 100		300 +

Clusters/Outbreaks of Influenza-like Illness

For the Week Ending May 10, 2003 (Week 19)

Health District	Central	Eastern	NW	SE	SW	Season-to-date	Last Year Season-to-date
School Closings	0	0	0	0	0	205	6
Community Outbreaks	0	0	0	0	0	4	3
Long Term Care or Institutional Outbreaks	0	0	0	0	0	3	10
Other Outbreaks	0	0	0	0	0	0	0
Season-to-Date	51	9	81	23	45	212	19

Pneumonia and Influenza (P&I) Deaths

For the Week Ending May 03, 2003 (Week 18)

Week 18	Season-to-Date	Week 18 Last Season	10 Year Weekly Median
34	1,037	47	N/A *

* Prior to 1999, P&I data were collected from week 46 through week 17; therefore, the ten-year median will be noted only during those weeks.

U.S. Influenza Sentinel Physicians Surveillance Network (US ISPSN)						
Influenza-like Illness (ILI) for the Week Ending May 03, 2003 (Week 18)						
Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
17	22	25	1	65	2,917	2.22%*

* This percentage is above the national baseline of 1.9%.

Respiratory Specimens Submitted to SPHL for Viral Testing							
For the Week Ending May 10, 2003 (Week 19)							
	Positive Specimens						Total Number Specimens Submitted
	Influenza	Para- influenza	Respiratory Syncytial Virus (RSV)	Adeno- virus	Rhino- virus	Entero- virus	
Week 19	0	0	0	0	1	0	0
Season-to-Date	95	4	0	2	1	3	235

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has received the results on 27 Missouri isolates. In 16 isolates, the antigenic profiles were antigenically similar to that of the reference strain influenza B/Hong Kong/330/2001. In 7 isolates, the antigenic profiles were similar to that of B/Hong Kong/330/2001 virus, but most closely related to B/Brisbane/32/2002, a minor antigenic variant of B/Hong Kong/330/2001. One isolate has somewhat reduced titers with B/Hong Kong/330/2001; when tested by PCR/RFLP the isolates were to belong to the B/Victoria/2/87 genetic group, and B/Hong Kong/330/2001 is an antigenic variant of B/Victoria/2/87. Influenza B/Hong Kong/330/2001 was the recommended B component of the 2002-03 influenza vaccine. Three isolates were related antigenically to A/Panama/2007/99 which is antigenically similar to the WHO recommended Influenza A H3N2 component of the 2003-04 influenza vaccine. One isolate was related antigenically to A/New Caldonia/20/99, which is antigenically similar to the WHO recommended Influenza A H1N1 component of the 2003-04 vaccine.

Sources of Data: Laboratory confirmed cases are reported to DHSS passive communicable disease surveillance system through the disease registry. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

This report may also be found on the DHSS Internet at: www.dhss.state.mo.us/Influenza/index.html
National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is 1-800-392-0272.